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(54) **AIR DRYER RESERVOIR MODULE COMPONENTS**

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95/117-119, 121**

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(57) **ABSTRACT**

An air dryer and reservoir assembly for providing com-
pressed air from an air compressor (20) on a heavy motor
vehicle which includes an air dryer (14) connected to receive
compressed air from the air compressor (20) and a second-
ary reservoir (12), including an integral purge volume (34),
for storing compressed air which passes through the air
dryer (14), with the air dryer (14) and the secondary reser-
voir (12) being securely attached to a housing (16) to form
an air dryer reservoir module (10). A primary reservoir (18)
for storing compressed air from the air dryer (14) is located
remote from the air dryer reservoir module (10). A pressure
equalizing mechanism (57) is disposed between the primary
reservoir (18) and the secondary reservoir (12) for keeping
pressure in the two reservoirs (12,18) equal. Components
located within the housing (16) control air flow between the
air dryer (14) and the primary and secondary reservoirs
(18,12) and also monitor the pneumatic brake system cir-
cuits fed by the primary and secondary reservoirs (18,12).

48 Claims, 6 Drawing Sheets

